

Ocean Presence Technologies



The OceanCam® OPT-06UHD delivers 4K performance with 30 frames per second for installations that demand the highest resolution, perfect focus, good color representation and full frame rate. It delivers Ultra-high-definition TV with a 16:9 aspect ratio and simultaneously supports 4K HDMI, HD-SDI and 1080p H.264 video over IP for Internet streaming applications.

Building on the proven reliability of our standard PTZ underwater cameras, the OPT-06UHD has several advanced features. The Internet-ready HD camera supports H.264 and can deliver excellent 16:9 picture quality at 30 fps. This imaging system uses a 1/2.3 Type Exmor R High-speed, Low-noise CMOS Sensor with a total of 9.03 Megapixels. An optical zoom of 12x and a digital zoom allows for 20X combined.

Several other camera options support 1080p with frame rates up to 60 fps. The high-speed 360-degree endless pan capability also provides downward viewing made possible with a 210-220-degree tilt range and our uniquely designed hyper-hemisphere dome.

Other features on some cameras include visibility-enhancing technologies such as gyroscopic image stabilizer, focal plane distortion correction and defog image processing. A built-in SDHC card slot enables local storage for several days of recordings without external equipment.

For more information and pricing, please send inquiry to oceanpresence@gmail.com

OPT-06 OceanCam Features

Models	Resolution	Zoom	Frame Rate
OPT-06HD	1920x1080	30x	30 fps
OPT-06UHD	3840x2160	20x	30 fps
OPT-06HD60	1920x1080	30x	60 fps

(To be released in 2021)

- 60% spherical glass dome to maximize optics
- Rated to 180 feet (55 meters)
- Built-in Web server that connects via 10-100Tbase
- PoE cables up to 660 feet (200 m) w/Extender
- Underwater-mateable network/power connectors allowing housing to be removed for maintenance
- Number of effective pixels up to 3.3 Megapixels (FHD)
- Pan angle 360 degrees endless rotation
- Pan speed 700 degrees/s (max.)
- Tilt angle 210-220 degrees (with e-flip)
- Tilt speed 700 degrees/s (max.)
- Optical zoom: 10-30x, digital zoom: 12x
- Video compression format H.264, MPEG-4, JPEG
- 06UHD: 4K HDMI and 1080p H.264 IP streaming
- 06HD60: 1080p/60 fps
- High-Power-over-Ethernet, IEEE802.3at compliant
- Internet Protocol secure network (5 clients)
- Video recording and archival software
- Power consumption: 25 W max.
- Size: 11.85" x 10.25" x 13.86" (l x w x h)
301 mm x 260 mm x 352 mm
- Weight: 24 lbs (9.5 kg)

Accessories

- Underwater LED lighting w/remote switching
- SDHC Card for built-in DVR (64 GB max.)
- Hydrophone for acoustic monitoring
- Marine wireless networks (short hops to 10 miles)
- Power/Wireless Float system
- Battery power w/solar recharging
- Anti-theft, tamper-resistant locking mounting
- Joystick control

OceanCam™ Specifications